

CSTA Phase III Web Services Application

INSTALLATION INSTRUCTIONS



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1 INTRODUCTION

1.1 SCOPE

This document gives a description of the steps needed for installing the CSTA Phase III Web Services Application, which provides third party call control of the MX-ONE.

1.2 GLOSSARY

For a complete list of abbreviations and glossary, see the description for *ACRONYMS, ABBREVIATIONS AND GLOSSARY*.

2 PREREQUISITES

The following requirements are needed for the installation.

- Authority to perform software installation (super user)
- The CSTA software: CSTAPhaseIII_install-<version>.bin
(This is an executable file, which contains the eri_CSTAPhaseIII rpm and a setup script. Version has the form x.y, where x and y are numbers.)
- The Service Node, eri_sn, must be installed on the LIM. It contains the CSTA Server, which is required.

3

OVERVIEW

The CSTA Phase III Web Services Application makes it possible for a third party product (3PP) web client to access the CSTA Phase III functions in the MX-ONE. The web services application interacts with the CSTA Phase III server. See Figure .

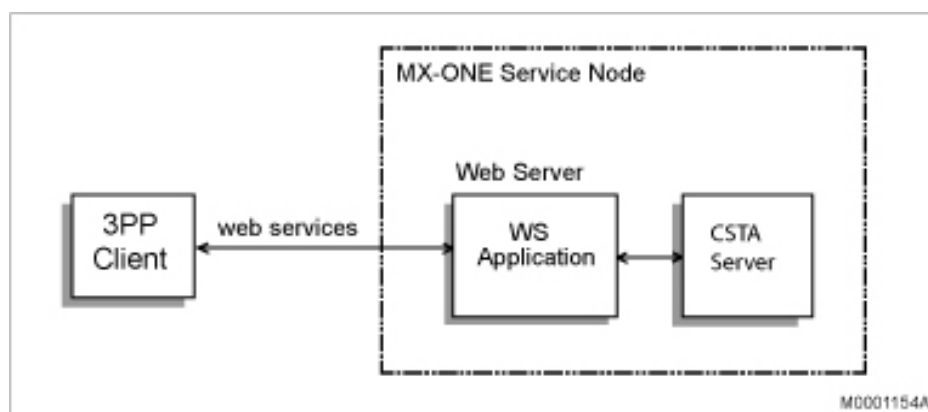


Figure 1: Application Interfaces

The CSTA Phase III Web Services Application runs on a JBoss application server. It is the same application server as being used by MX-ONE Service Node Manager and MX-ONE Provisioning Manager. If the CSTA Phase III Web Services Application is installed on a server running MX-ONE Service Node Manager or MX-ONE Provisioning Manager, the CSTA Phase III Web Services Application will be deployed in the same application server. If not, it will deploy its own application server.

HTTP or HTTPS for CSTA Phase III use the same settings as MX-ONE Service Node Manager if they are running on the same server.

4 EXECUTION

4.1 INSTALL

The CSTA Phase III Web Service Application install binary is distributed with the MiVoice MX-ONE package on the master LIM, and can easily be installed on selected server through the MX-ONE Maintenance Utility. Log-in as user *mxone_admin*, and key the command `sudo -H /opt/mxone_install/bin/mxone_maintenance` and select option `addon_software` and follow the instructions on screen

When another server than the master server is selected as target machine for the installation, the software will first be downloaded from the master server with the function `rsync`. To avoid interference with any possible live traffic, the bandwidth in this process is limited to 10 Mbit/s.

If any of the applications MX-ONE Provisioning Manager or MX-ONE Service Node Manager is installed on the same server, the protocol settings (HTTP/HTTPS) will be used also for CSTA Phase III. To modify this after the installation is finished, Log-in as user *mxone_admin*, and key the command `sudo -H /opt/mxone_install/bin/mxone_maintenance` and select option `webserver_config`. Follow instructions on screen to configure the web server protocol settings.

4.2 LOG FILES

Information about the installation can be found in:

- `/var/log/mxone/webserver/application_log.log`
- `/var/log/mxone/eri_CSTAPhaseIII/CSTAPhaseIII_install.log`
- `/var/log/mxone/eri_CSTAPhaseIII/eri_CSTAPhaseIII_rpm.log`

Runtime information (common log for - MX-ONE Provisioning Manager/MX-ONE Service Node Manager/CSTAPhaseIII) can be found in:

- `/opt/jboss/server/default/log/eri_jboss.log`

Additional information can be found in:

- `/opt/jboss/server/default/log/server.log`

4.3 VERIFY

Check that the files `csta-ds.xml` and `CSTAPhaseIII.ear` are present in the directory **`/opt/jboss/server/default/deploy`**

4.4 CONFIGURE

To configure SSL (HTTPS) for CSTAPhaseIII, use command `webserver_config` and follow instructions online. If SSL is configured it applies also for other applications

running on the same server, such as MX-ONE Service Node Manager and MX-ONE Provisioning Manager.

4.5 UNINSTALL

To uninstall CSTAPhaseIII, run command CSTAPhaseIII_uninstall, either with sudo privileges or being logged in as root.

4.6 UPGRADE

Run the latest binary file. It will automatically search whether a newer version of RPM is available. If so, it will confirm with the user whether to upgrade to the new version or not. If Yes is selected then the latest RPM is installed.

5 MX-ONE SERVICE NODE MANAGER CONFIGURATION

After installing the CSTA Phase III Web Services Application, the MX-ONE Service Node Manager needs to be setup with a CSTA server running on the XML protocol. See Figure .

Note: If Server Redundancy is used, the CSTA Phase III Web Services Application is not started on the standby server.

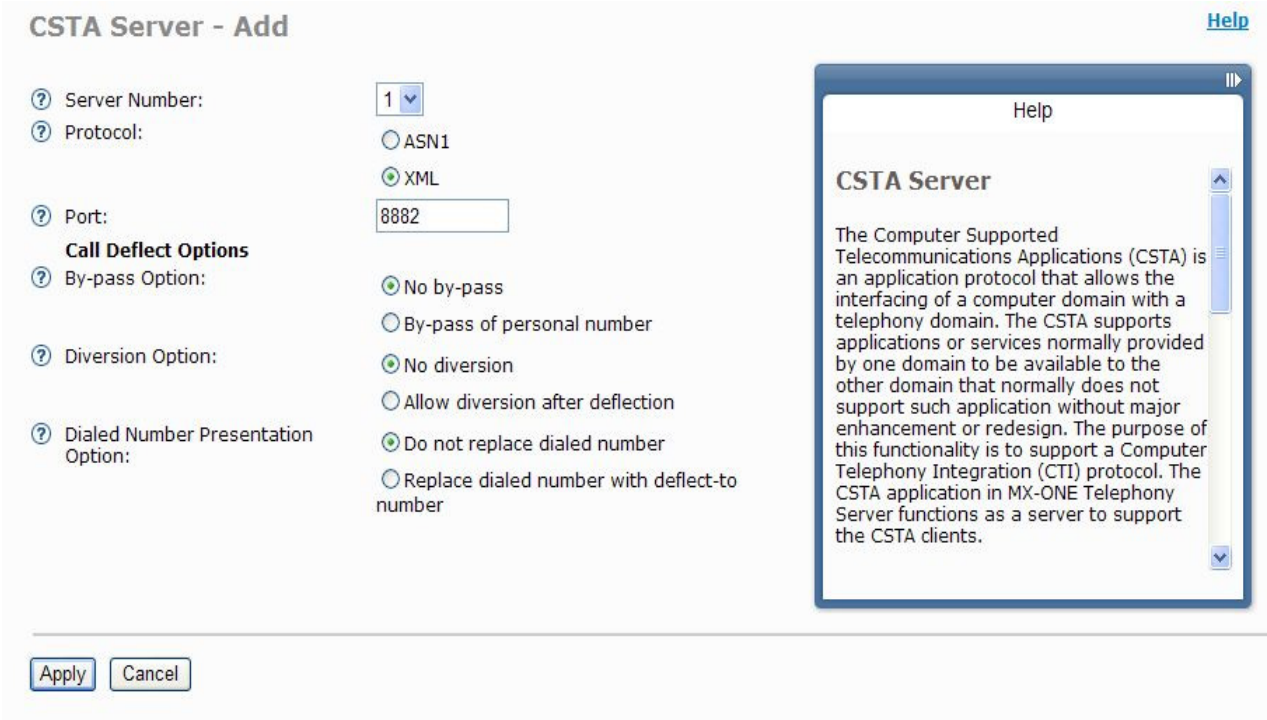


Figure 2: MX-ONE Service Node Manager Setup